

WEST Search History

DATE: Friday, June 08, 2007

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=PGPB,USPT; PLUR=YES; OP=AND</i>		
<input type="checkbox"/>	L12	L11 AND planetary near2 extruder	90
<input type="checkbox"/>	L11	(vinyl OR monomer AND polymerization AND planetary AND roll OR roller OR gear AND extruder).clm.	225607
	<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L10	(427/294)![CCLS]	1177
<input type="checkbox"/>	L9	(427/208.4)![CCLS]	506
<input type="checkbox"/>	L8	(526/88)![CCLS]	843
<input type="checkbox"/>	L7	(526/64)![CCLS]	748
<input type="checkbox"/>	L6	(526/918)![CCLS]	119
<input type="checkbox"/>	L5	L4 and @pd > 20070608	0
<input type="checkbox"/>	L4	(422/135)![CCLS]	517
<input type="checkbox"/>	L3	(264/211.24)![CCLS]	212
<input type="checkbox"/>	L2	(422/135)![CCLS]	517
<input type="checkbox"/>	L1	(264/211.24)![CCLS]	212

END OF SEARCH HISTORY

S/N 10/555472

NEWS 34 MAY 22 patents
CA/Caplus enhanced with IPC reclassification in Japanese
patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:25:03 ON 08 JUN 2007

=> set plurals on perm
SET COMMAND COMPLETED

=> set abbr on perm
SET COMMAND COMPLETED

=> file uspatall caplus japio
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1.26	1.26

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 11:28:46 ON 08 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:28:46 ON 08 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 11:28:46 ON 08 JUN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'JAPIO' ENTERED AT 11:28:46 ON 08 JUN 2007
COPYRIGHT (C) 2007 Japanese Patent Office (JPO)- JAPIO

=> s (planet?(3a)extrud?)(s)(vinyl or monomer# or addition or polyaddition or
react? or copolymer?)

L1 87 (PLANET?(3A) EXTRUD?)(S)(VINYL OR MONOMER# OR ADDITION OR POLYAD
DITION OR REACT? OR COPOLYMER?)

=> s (planet?(3a)extrud?)(s)(hydraulic?(4a)(fill? or load? or charg?))
L2 2 (PLANET?(3A) EXTRUD?)(S)(HYDRAULIC?(4A)(FILL? OR LOAD? OR CHARG?
))

=> s l1 and l2
L3 2 L1 AND L2

=> d l3 1-2 ibib abs

S/N 10/555472

L3 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2007:62887 USPATFULL

TITLE: Solvent-free production method for producing acrylate pressure-sensitive adhesive substances

INVENTOR(S): Langenbuch, Jessica, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Massow, Klaus, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Zollner, Stephan, Nordheide, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): tesa AG, Hamburg, GERMANY, FEDERAL REPUBLIC OF, 20253
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2007055032	A1	20070308
APPLICATION INFO.:	US 2004-555173	A1	20040518 (10)
	WO 2004-EP5349		20040518
			20061026 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10322830	20030519
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NORRIS, MCLAUGHLIN & MARCUS, P.A., 875 THIRD AVE, 18TH FLOOR, NEW YORK, NY, 10022, US	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	790	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for the continuous polymerization of acrylic monomers to polyacrylates in an extruder and in the presence of polymerization regulators

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2006:334828 USPATFULL

TITLE: Method for the continuous production of polymers made of vinyl compounds by substance and/or solvent polymerisation

INVENTOR(S): Konig, Sven, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Langenbuch, Jessica, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Massow, Klaus, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Zollner, Stephan, Hamburg, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): tesa AG, Hamburg, GERMANY, FEDERAL REPUBLIC OF, 20253
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006287443	A1	20061221
APPLICATION INFO.:	US 2004-555472	A1	20040518 (10)
	WO 2004-EP5339		20040518
			20060825 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10322830	20030519
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NORRIS, MCLAUGHLIN & MARCUS, P.A., 875 THIRD AVE, 18TH	

S/N 10/555472

FLOOR, NEW YORK, NY, 10022, US
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 693
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Production of vinyl polymers by the polymerization of
vinyl monomers in a planetary gear
extruder.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s (planet?(3a)extrud?)(s)(vinyl? or monomer# or addition or polyaddition or
react? or copolymer? or acryl? or methacryl?)

L4 91 (PLANET?(3A) EXTRUD?)(S)(VINYL? OR MONOMER# OR ADDITION OR POLYA
DDITION OR REACT? OR COPOLYMER? OR ACRYL? OR METHACRYL?)

=> s 14 and 12

L5 2 L4 AND L2

=> s (planet?(3a)extrud?)(s)(vinyl? or monomer# or styren?)

L6 18 (PLANET?(3A) EXTRUD?)(S)(VINYL? OR MONOMER# OR STYREN?)

=> s 16 and 12

L7 2 L6 AND L2

=> d his full

(FILE 'HOME' ENTERED AT 11:25:03 ON 08 JUN 2007)

SET PLURALS ON PERM

SET ABBR ON PERM

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 11:28:46 ON 08 JUN 2007

L1 87 SEA ABB=ON PLU=ON (PLANET?(3A) EXTRUD?)(S)(VINYL OR MONOMER#
OR ADDITION OR POLYADDITION OR REACT? OR COPOLYMER?)
L2 2 SEA ABB=ON PLU=ON (PLANET?(3A) EXTRUD?)(S)(HYDRAULIC?(4A)(FIL
L? OR LOAD? OR CHARG?))
L3 2 SEA ABB=ON PLU=ON L1 AND L2
D L3 1-2 IBIB ABS
L4 91 SEA ABB=ON PLU=ON (PLANET?(3A) EXTRUD?)(S)(VINYL? OR
MONOMER# OR ADDITION OR POLYADDITION OR REACT? OR COPOLYMER?
OR ACRYL? OR METHACRYL?)
L5 2 SEA ABB=ON PLU=ON L4 AND L2
L6 18 SEA ABB=ON PLU=ON (PLANET?(3A) EXTRUD?)(S)(VINYL? OR
MONOMER# OR STYREN?)
L7 2 SEA ABB=ON PLU=ON L6 AND L2

FILE HOME

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 7 Jun 2007 (20070607/PD)

FILE LAST UPDATED: 7 Jun 2007 (20070607/ED)

HIGHEST GRANTED PATENT NUMBER: US7228569

HIGHEST APPLICATION PUBLICATION NUMBER: US2007130662

CA INDEXING IS CURRENT THROUGH 7 Jun 2007 (20070607/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 7 Jun 2007 (20070607/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE USPAT2

S/N 10/555472

FILE COVERS 2001 TO PUBLICATION DATE: 7 Jun 2007 (20070607/PD)
FILE LAST UPDATED: 7 Jun 2007 (20070607/ED)
HIGHEST GRANTED PATENT NUMBER: US2007037988
HIGHEST APPLICATION PUBLICATION NUMBER: US2007130634
CA INDEXING IS CURRENT THROUGH 7 Jun 2007 (20070607/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 7 Jun 2007 (20070607/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jun 2007 VOL 146 ISS 25
FILE LAST UPDATED: 7 Jun 2007 (20070607/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

FILE JAPIO.
FILE LAST UPDATED: 27 APR 2007 <20070427/UP>
FILE COVERS APRIL 1973 TO JANUARY 25, 2007

>>> GRAPHIC IMAGES AVAILABLE <<<

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
92.64	93.90

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 11:43:49 ON 08 JUN 2007

S/N 10/555472

DETD Still another feature of the invention resides broadly in the extruder characterised in that the screw of the twin-screw extruder connected to the central spindle of the planetary roller extruder section is longer than the other screw of the twin-screw extruder section and/or is offset with respect to the other screw of the twin-screw extruder section, so that it projects with respect to the other screw of the twin-screw extruder section towards the planetary roller extruder section.

DETD Still another feature of the invention resides broadly in the extruder characterised by a reduced conveying action of the planetary roller extruder and a setting of the residence time in the extruder with the aid of the pump (11, 16).

DETD Still another feature of the invention resides broadly in the extruder characterised in that the external radius of the path of movement of the rotating planetary spindles of an extruder section in the direction of flow of the melt through the extruder is smaller than the external radius of the path of movement of the planetary spindles of the following extruder section.

CLM What is claimed is:

1. A method for the foam extrusion of plastics with an extruder with the incorporation of additives and aerating agents, in particular with the supply of relatively high-viscosity or low-viscosity polymers via a lateral-arm extruder, and also cooling to un moulding temperature and supply into a moulding tool, the extruder comprising: multiple extruding zones; a pump being connected between at least two zones; at least one of the two zones connected by the pump is constructed as a planetary roller extruder section, said method comprising: supplying granulated plastic to a zone of the extruder; supplying additives and aerating compounds to another zone of the extruder; pumping plastic between zones of the extruder; pumping plastic through the planetary roller extruder section using the pump; cooling the material; and producing extruded plastic.

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

78.80

79.01

FILE 'STNGUIDE' ENTERED AT 13:05:41 ON 08 JUN 2007

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE

AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 4, 2007 (20070604/UP).

=> d his full

(FILE 'HOME' ENTERED AT 12:58:24 ON 08 JUN 2007)

SET ABBR ON PERM

SET PLURALS ON PERM

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 12:58:49 ON 08 JUN 2007

L1 2 SEA ABB=ON PLU=ON (PLANET?(3A) EXTRUD?)(S)((HYDRAULIC? OR COMPLET?)(4A)(FILL? OR LOAD? OR CHARG?))

L2 15 SEA ABB=ON PLU=ON (PLANET?(3A) EXTRUD?) AND ((HYDRAULIC? OR COMPLET?)(4A)(FILL? OR LOAD? OR CHARG?))

D L2 1-15 IBIB ABS

D L2 13 IBIB HIT

D L2 8 IBIB HIT

S/N 10/555472

FILE 'STNGUIDE' ENTERED AT 13:05:41 ON 08 JUN 2007

FILE HOME

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 7 Jun 2007 (20070607/PD)

FILE LAST UPDATED: 7 Jun 2007 (20070607/ED)

HIGHEST GRANTED PATENT NUMBER: US7228569

HIGHEST APPLICATION PUBLICATION NUMBER: US2007130662

CA INDEXING IS CURRENT THROUGH 7 Jun 2007 (20070607/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 7 Jun 2007 (20070607/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 7 Jun 2007 (20070607/PD)

FILE LAST UPDATED: 7 Jun 2007 (20070607/ED)

HIGHEST GRANTED PATENT NUMBER: US2007037988

HIGHEST APPLICATION PUBLICATION NUMBER: US2007130634

CA INDEXING IS CURRENT THROUGH 7 Jun 2007 (20070607/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 7 Jun 2007 (20070607/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jun 2007 VOL 146 ISS 25

FILE LAST UPDATED: 7 Jun 2007 (20070607/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

FILE JAPIO

FILE LAST UPDATED: 27 APR 2007 <20070427/UP>

FILE COVERS APRIL 1973 TO JANUARY 25, 2007

>>> GRAPHIC IMAGES AVAILABLE <<<

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 4, 2007 (20070604/UP).

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.24

79.25